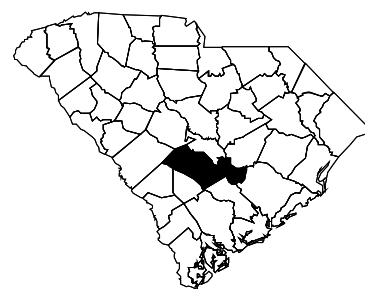


IMPACT OF CHRONIC CONDITIONS ORANGEBURG County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Orangeburg county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Orangeburg county's population is similar to the state population. The majority (37%) of the population in Orangeburg county are between the ages of 18-44, and there are more females (54%) than males (46%). However, Orangeburg county has a higher minority population (64%) than the state (31%). When adults in DHEC's Region 5, which includes Orangeburg County, were asked about their general health status, 79.0% reported having excellent, very good, or good health in 2005 (SC was 82%).

	ORANGEBURG COUNTY	STATE
Population size	92,167	4,255,083
Age distribution (%)		
<18	25	24
18-44	37	38
45-64	25	25
65-84	12	11
85+	2	2
Race (%)		
White	36	69
Black & Other	64	31
Sex (%)		
Male	46	49
Female	54	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Orangeburg County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	26	22
Sedentary lifestyle	38	26
Overweight	71	65
High Cholesterol	36	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	38.8	.	.	.	.	31.7
Number of hospitalizations	180	141	32	88	92	5,032
Crude rate of hospitalizations (per 100,000)	195	238	97	206	186	118
Median age of hospitalized patients	57	57	57	52	62	57
Total cost of hospitalization (\$)	3,899,300	3,164,100	735,200	1,673,300	2,226,000	109,400,500
Average length of hospital stay (days)	5	5	4	3	6	5
Number of ED visits	226	176	47	97	129	7,466
Crude rate of ED visits (per 100,000)	245	297	143	227	261	175
Median age of ED patients	52	52	62	52	52	52
Total cost of ED visits (\$)	406,300	313,500	92,800	157,200	249,100	9,929,000
Number of deaths**	25	19	6	14	11	423
Age-Adjusted Death rate (per 100,000)**	25	36	12	32	18	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.8	.	.	.	.	4.1
Number of hospitalizations	1,525	729	785	775	750	60,901
Crude rate of hospitalizations (per 100,000)	1,655	1,231	2,383	1,816	1,515	1,431
Median age of hospitalized patients	67	62	72	67	67	67
Total cost of hospitalization (\$)	51,750,300	24,017,300	27,733,000	28,707,400	23,042,900	2,286,836,400
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ED visits	281	140	135	140	141	12,989
Crude rate of ED visits (per 100,000)	305	236	410	328	285	305
Median age of ED patients	62	57	67	57	62	62
Total cost of ED visits (\$)	1,192,500	643,700	548,800	573,100	619,400	42,115,900
Number of deaths**	197	90	107	92	105	9,328
Age-Adjusted Death rate (per 100,000)**	197	181	216	240	167	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.3	.	.	.	.	3
Number of hospitalizations	431	246	180	222	209	13,925
Crude rate of hospitalizations (per 100,000)	468	415	546	520	422	327
Median age of hospitalized patients	67	65	72	67	72	72
Total cost of hospitalization (\$)	12,953,500	8,084,900	4,868,600	6,043,300	6,910,200	384,441,600
Average length of hospital stay (days)	8	9	7	8	9	6
Number of ED visits	75	35	40	37	38	2,515
Crude rate of ED visits (per 100,000)	81	59	121	87	77	59
Median age of ED patients	72	67	72	67	72	67
Total cost of ED visits (\$)	326,600	152,700	173,900	165,200	161,400	9,113,000
Number of deaths**	83	40	43	29	54	2,440
Age-Adjusted Death rate (per 100,000)**	84	83	84	84	82	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	318	185	129	144	174	15,753
Crude rate of hospitalizations (per 100,000)	345	312	392	337	352	370
Median age of hospitalized patients	57	52	67	62	57	62
Total cost of hospitalization (\$)	5,907,200	3,120,100	2,787,100	2,577,900	3,329,300	268,425,300
Average length of hospital stay (days)	5	4	5	4	5	5
Number of ED visits	1,388	1,087	286	616	772	36,543
Crude rate of ED visits (per 100,000)	1,506	1,835	868	1,444	1,560	859
Median age of ED patients	27	27	47	22	32	37
Total cost of ED visits (\$)	1,731,300	1,261,100	470,200	759,200	972,100	40,613,700
Number of deaths**	37	12	25	19	18	1,968
Age-Adjusted Death rate (per 100,000)**	38	24	50	55	32	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.4	.	.	.	.	10.3
Number of hospitalizations	332	271	59	155	177	9,027
Crude rate of hospitalizations (per 100,000)	360	458	179	363	358	212
Median age of hospitalized patients	52	52	62	52	52	52
Total cost of hospitalization (\$)	6,060,300	5,009,800	1,050,500	2,822,600	3,237,700	179,747,700
Average length of hospital stay (days)	5	5	5	5	5	6
Number of ED visits	413	347	59	185	228	9,603
Crude rate of ED visits (per 100,000)	448	586	179	434	461	226
Median age of ED patients	57	57	57	52	57	52
Total cost of ED visits (\$)	786,400	662,100	124,300	381,800	404,600	13,447,300
Number of deaths**	36	24	12	17	19	1,183
Age-Adjusted Death rate (per 100,000)**	36	47	25	43	32	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	383	224	158	176	207	16,389
Crude rate of hospitalizations (per 100,000)	416	378	480	412	418	385
Median age of hospitalized patients	62	62	67	65	62	62
Total cost of hospitalization (\$)	16,257,400	8,880,100	7,377,300	7,700,800	8,556,600	664,309,500
Average length of hospital stay (days)	8	8	9	9	8	8
Number of deaths**	204	106	95	114	90	8,617
Age-Adjusted Death rate (per 100,000)**	205	215	192	277	154	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	40	20	20	19	21	2,070
Crude rate of hospitalizations (per 100,000)	43	34	61	45	42	49
Median age of hospitalized patients	67	67	70	72	67	67
Total cost of hospitalization (\$)	2,269,100	1,351,800	917,300	1,213,000	1,056,100	101,377,700
Average length of hospital stay (days)	12	13	10	14	10	10
Number of deaths**	22	12	10	13	9	812
Age-Adjusted Death rate (per 100,000)**	23	26	22	34	17	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	35	21	14	-	35	1,228
Crude rate of hospitalizations (per 100,000)	71	66	79	-	45	56
Median age of hospitalized patients	62	57	62	-	62	62
Total cost of hospitalization (\$)	856,400	506,100	350,300	-	856,400	26,163,000
Average length of hospital stay (days)	3	3	3	-	3	3
Number of deaths**	15	9	6	-	15	651
Age-Adjusted Death rate (per 100,000)**	26	30	19	-	26	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	5	3	2	-	5	192
Crude rate of hospitalizations (per 100,000)	10	9	11	-	10	9
Median age of hospitalized patients	57	82	47	-	57	47
Total cost of hospitalization (\$)	112,500	66,200	46,300	-	112,500	4,668,500
Average length of hospital stay (days)	4	4	4	-	4	4
Number of deaths**	3	3	-	-	3	63
Age-Adjusted Death rate (per 100,000)**	5	11	-	-	5	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	35	17	18	24	11	2,181
Crude rate of hospitalizations (per 100,000)	38	29	55	56	22	51
Median age of hospitalized patients	67	67	70	67	72	67
Total cost of hospitalization (\$)	1,919,000	599,900	1,319,100	1,403,900	515,100	92,775,300
Average length of hospital stay (days)	9	7	12	9	11	9
Number of deaths**	45	16	29	32	13	2,703
Age-Adjusted Death rate (per 100,000)**	44	31	57	78	21	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	27	18	9	27	-	1,209
Crude rate of hospitalizations (per 100,000)	63	66	59	104	-	58
Median age of hospitalized patients	62	62	57	62	-	62
Total cost of hospitalization (\$)	557,100	361,900	195,200	557,100	-	30,356,600
Average length of hospital stay (days)	2	3	2	2	-	4
Number of deaths**	13	10	3	13	-	460
Age-Adjusted Death rate (per 100,000)**	33	55	16	33	-	30

*Prevalence estimates are regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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